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Location of Plant Growth Material

Because much of the area to be disturbed by CSM has been previously disturbed by mining and related activities, there is little recoverable topsoil available for salvage. Some topsoil was previously stockpiled by Nevada Star and is located near the southwest corner of the tailings pond (Figure 5). For future operations, all recoverable topsoil will be collected to a depth of 12 inches unless otherwise specified.

During operations that were completed under the millsite SMO, topsoil was salvaged from the concentrator/mill site where possible. Soil was salvaged where possible along the margins of the Hidden Treasure pit and in the expansion area for the Hidden Treasure dump. The expansion area, which includes about 72.21 acres, would yield approximately 73,819 cubic yards of topsoil. This topsoil was gathered in approximately 50 to 100-foot swaths in advance of dump expansion, or on a 6-month basis as needed, to keep the cleared land to a minimum and lessen the opportunities for noxious weeds to take hold in this area. Soils will also be harvested from areas disturbed during operations at the Bawana Pit and Sunrise Pit. These soils will be stockpiled for use during the reclamation of these areas.

The parts of the greater plant area estimated to be disturbed for the acid plant, SX/EW plant and related facilities total approximately 35.0 acres. The lay-down area to the south, including the topsoil stockpile, totals approximately 2.5 acres. As the result of historic disturbances, the depth of available topsoil is uncertain. Assuming 6 inches of soil can be salvaged from the acid plant, SX/EW plant and related facilities area (35 acres), approximately 28,230 cubic yards will be stockpiled for reclamation at a location within the 35-acre disturbed area(Figure 2a).

The proposed ITDF will disturb approximately 85.1 acres, which consist of three general disturbance types: the tailings deposition area (65.5 acres); the tailings dams outslope footprints (10.3 acres) and the perimeter road and diversion channel and related cut and fill slopes (9.3 acres). The latter category of disturbance will take place along hillsides adjacent to the two impounded drainages and topsoil may not be recoverable from much of these areas; therefore, the quantity of salvageable soil from this disturbance area is not included in the recovered soil estimate. The areas from which topsoil will be recovered totals approximately 75.8 acres, and, borrowing 1 foot of surficial soil, would yield approximately 122,300 cubic yards of topsoil.

The following Table 6 lists topsoil quantities and locations within the proposed mine operations area.

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TABLE 6 Top Soil Quantities and Locations

<u>GREATER PLANT AREA AND ITDF</u>			
Total Cubic Yards	Location	Notes	Map Figure
20,660	South of the SW Corner of the flotation tailings pond	Topsoil was collected from the footprint of the floatation tailings pond that included two smaller topsoil piles from prior operations. The topsoil is located west of the lab facility.	#2a
4,660	North of the NE Corner of the flotation tailings pond.	The top soil was collected and stockpiled either from the area previously permitted as a dry stack tailing area or the mill area and stockpiled north of the flotation tailings pond.	#2a
122,300	ITDF	This topsoil will be collected from the proposed location of the Intermediate Tailings Disposal Facility and the surrounding access road, tailings line corridor, and diversion channel. The topsoil will be collected during each Phase's construction and placed in the existing topsoil stockpile located near the ITDF.	#8a
28,230	Acid plant, SX/EW, related facilities and ponds footprint	Estimated amount of topsoil to be collected from the footprint of the facilities to be built in the greater plant area and stockpiled to the north of those facility locations plus the tailings/decant line corridor from the plant site to the west edge ITDF, which will be wind-rowed adjacent to the corridor.	00-GA-01 #2a
2,010	Laydown Area & Remainder of Greater Plant Area	Available topsoil will be collected and stockpiled at a location to be determined within the disturbance area.	#2a
177,860	Total Greater Plant Area and ITDF		